

ABSTRACT OF THE DISCLOSURE

A coating liquid comprising a polysilazane and a calcium compound is applied to a base material formed from a metal or a ceramic, and the coating liquid is then heated to form a film with apatite forming ability and complete the preparation of a biomaterial. Furthermore, by immersing this biomaterial comprising the film with apatite forming ability in an artificial body fluid, an apatite layer can be formed on top of the film.